

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P848604

Luminaire Tested: **GLAN-SB5B-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848604
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27182 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

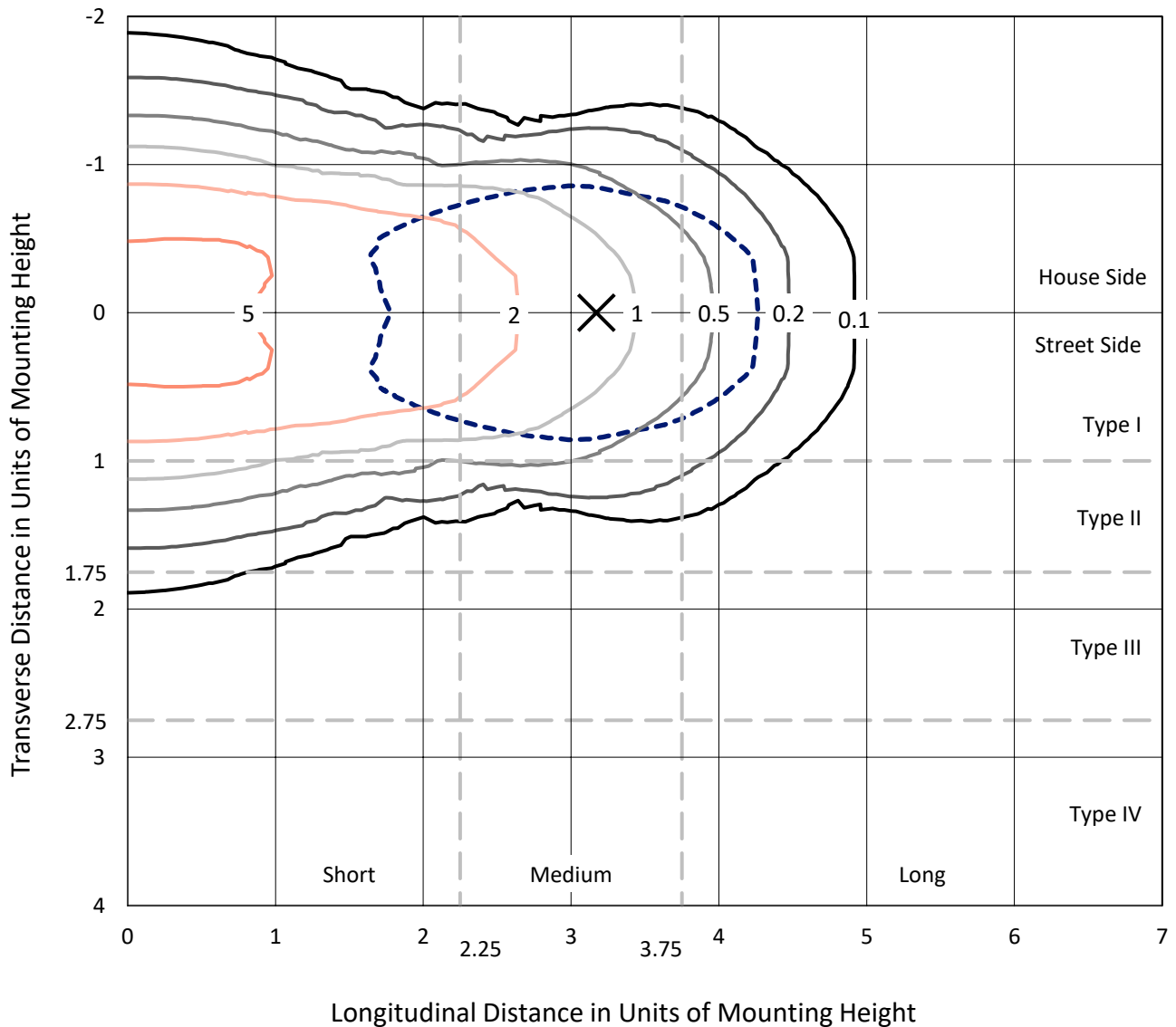
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

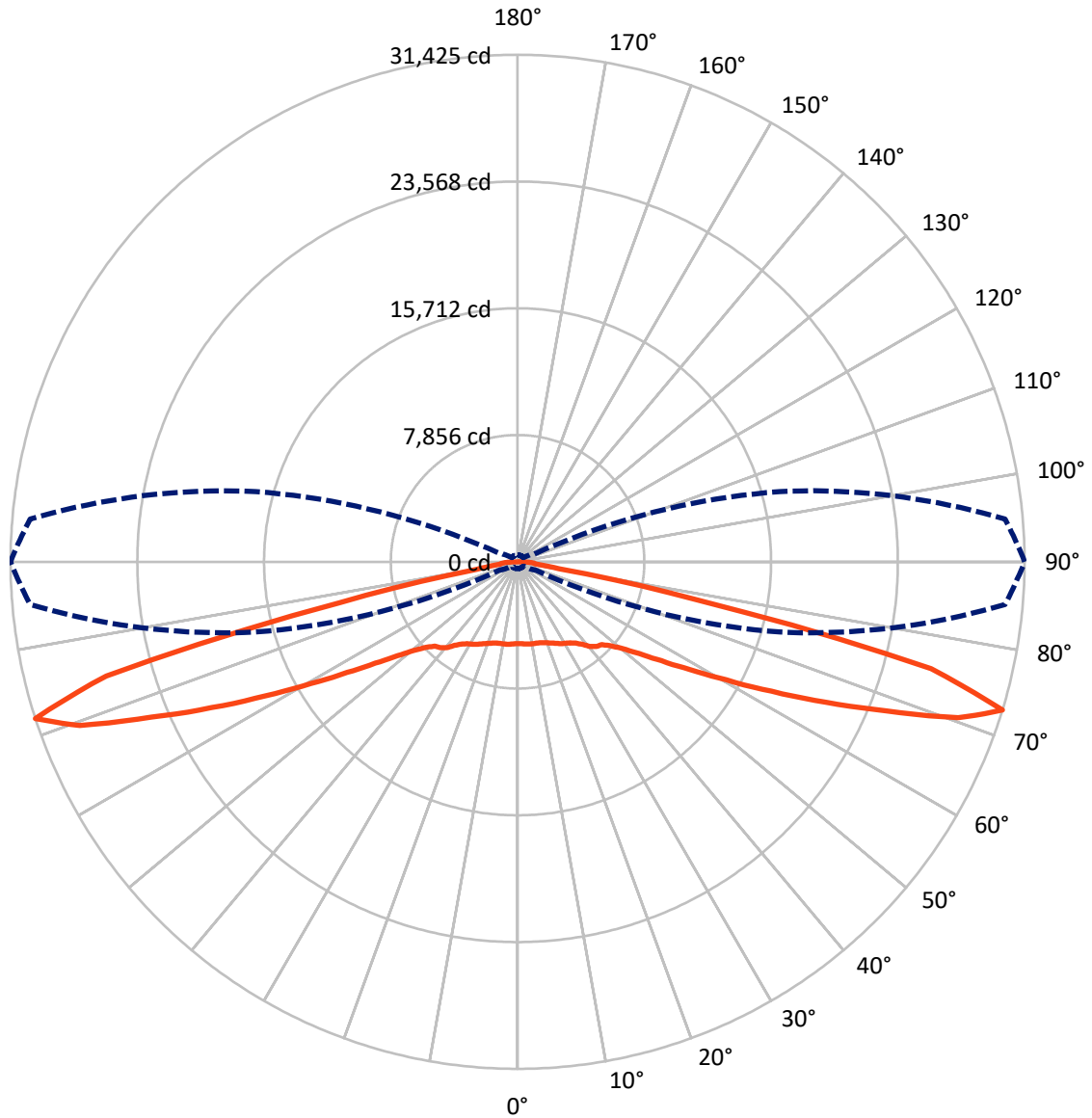
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13591.0	0.0	13591.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13591.0	0.0	13591.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27182.0	0.0	27182.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.5	1.8
10°-20°	1505.8	5.5
20°-30°	2510.9	9.2
30°-40°	3453.2	12.7
40°-50°	4217.3	15.5
50°-60°	4877.8	17.9
60°-70°	5816.0	21.4
70°-80°	4059.2	14.9
80°-90°	249.3	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	27182.0	100.0
0°-180°	27182.0	100.0

Coefficient of Utilization



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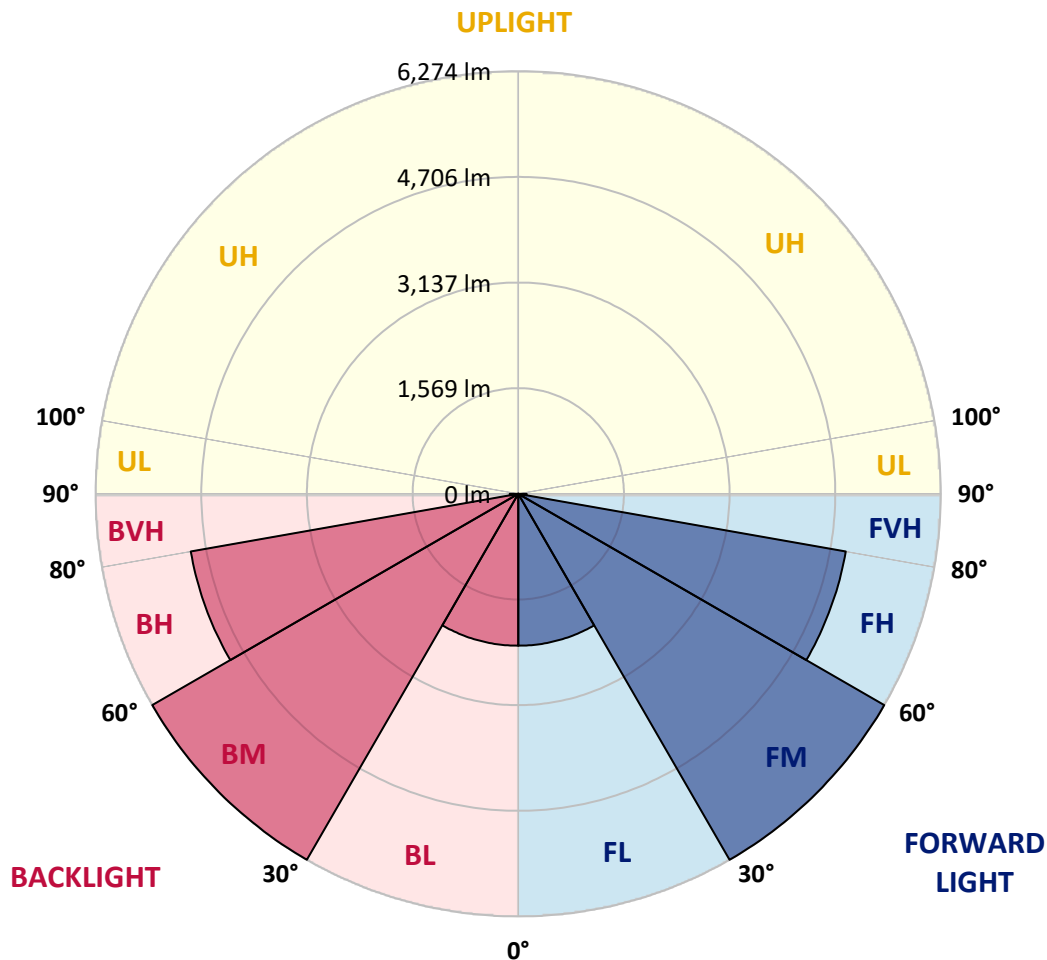
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2254.6	8.3			
FM (30°-60°)	6274.2	23.1			
FH (60°-80°)	4937.6	18.2			G2/5000
FVH (80°-90°)	124.7	0.5			G2/225
BL (0°-30°)	2254.6	8.3	B3/2500		
BM (30°-60°)	6274.2	23.1	B4/8500		
BH (60°-80°)	4937.6	18.2	B4/5000		G4/5000
BVH (80°-90°)	124.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5079.2	5079.2	5079.2	5079.2	5079.2	5079.2	5079.2	5079.2	5079.2	5079.2
2.5°	5083.6	5089.4	5089.4	5085.0	5095.1	5086.5	5086.5	5082.1	5086.5	5082.1
5°	5109.6	5116.8	5119.7	5118.2	5131.2	5124.0	5124.0	5118.2	5119.7	5115.4
7.5°	5158.7	5168.8	5174.6	5181.8	5200.6	5191.9	5186.1	5168.8	5161.6	5150.0
10°	5174.6	5186.1	5204.9	5242.5	5285.8	5287.3	5269.9	5226.6	5193.4	5167.4
12.5°	5125.5	5141.4	5180.4	5256.9	5353.7	5392.7	5365.3	5293.0	5228.0	5181.8
15°	5063.4	5080.7	5139.9	5255.5	5398.5	5489.5	5486.6	5391.3	5287.3	5215.0
17.5°	4966.6	4983.9	5069.1	5230.9	5433.2	5583.4	5623.9	5525.6	5379.7	5282.9
20°	4791.8	4807.7	4926.1	5152.9	5444.7	5683.1	5788.5	5701.9	5519.8	5388.4
22.5°	4565.0	4589.5	4728.2	5018.6	5417.3	5787.1	5976.3	5917.1	5683.1	5501.1
25°	4322.3	4348.3	4510.1	4853.9	5346.5	5862.2	6198.8	6161.3	5868.0	5641.2
27.5°	4112.8	4140.2	4316.5	4690.6	5236.7	5891.1	6418.4	6437.2	6091.9	5795.8
30°	3948.1	3974.1	4161.9	4559.2	5095.1	5862.2	6610.5	6740.5	6320.2	5930.1
32.5°	3767.5	3800.8	3998.7	4398.8	4927.6	5792.9	6778.1	7068.5	6584.5	6074.6
35°	3539.3	3569.6	3777.7	4179.3	4708.0	5681.6	6918.2	7432.5	6963.0	6294.2
37.5°	3261.9	3290.8	3497.4	3904.8	4489.8	5525.6	7025.1	7842.8	7413.7	6610.5
40°	2983.1	3010.6	3204.1	3598.5	4228.4	5326.3	7062.7	8244.4	7930.9	7045.4
42.5°	2727.4	2752.0	2929.7	3296.6	3935.1	5072.0	7013.6	8594.0	8394.6	7348.7
45°	2491.9	2513.6	2671.1	3013.5	3630.3	4762.9	6866.2	8969.6	8946.5	7565.4
47.5°	2223.3	2244.9	2408.2	2739.0	3325.5	4400.3	6616.3	9339.4	9713.5	8056.6
50°	1895.3	1914.1	2081.7	2422.6	3009.1	4014.6	6269.6	9629.8	10681.4	8800.6
52.5°	1506.7	1527.0	1690.2	2031.1	2633.5	3600.0	5813.1	9819.0	11799.6	9886.9
55°	1121.0	1135.5	1277.0	1583.3	2168.4	3127.6	5241.0	9872.5	13067.9	11372.0
57.5°	813.3	822.0	913.0	1141.2	1644.0	2536.7	4546.2	9733.8	14577.5	13276.0
60°	658.7	661.6	689.1	790.2	1142.7	1869.3	3706.9	9257.1	16215.7	15730.3
62.5°	598.1	598.1	605.3	632.7	772.9	1233.7	2691.3	8268.9	17972.4	18831.9
65°	556.2	556.2	559.1	572.1	609.6	785.9	1698.9	6659.6	19453.1	22465.1
67.5°	518.6	520.1	518.6	522.9	544.6	580.7	985.2	4599.6	20250.5	26229.8
70°	479.6	482.5	475.3	475.3	492.6	494.1	616.8	2522.3	19588.9	29384.8
72.5°	433.4	437.7	426.2	423.3	436.3	430.5	463.7	1210.6	16818.1	30326.7
75°	392.9	398.7	372.7	365.5	365.5	361.2	377.0	621.2	10915.5	24738.9
77.5°	356.8	368.4	326.5	303.4	297.6	284.6	307.7	379.9	4774.4	11614.7
80°	294.7	310.6	268.7	241.2	231.1	216.7	242.7	265.8	1420.1	2697.1
82.5°	219.6	226.8	190.7	171.9	163.2	153.1	182.0	184.9	462.3	954.9
85°	140.1	143.0	117.0	101.1	96.8	92.5	115.6	101.1	176.2	702.1
87.5°	49.1	56.3	44.8	40.4	43.3	36.1	53.5	30.3	49.1	495.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5079.2
5082.1
5115.4
5150.0
5163.0
5174.6
5203.5
5267.0
5363.8
5467.8
5595.0
5746.7
5859.3
5985.0
6194.5
6477.6
6903.8
7166.7
7319.8
7773.4
8445.2
9449.2
10824.5
12586.9
14862.1
17669.0
20994.5
24642.1
28967.3
31424.6
26460.9
11373.4
2583.0
1079.1
1019.9
614.0
0.0

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